

ABSTRACT

The present invention relates to a current collector for an electrochemical cell. The current collector has a unique grid structure comprised of a frame supporting a plurality of radial strands as conductors radiating outwardly from a focal point on a connector tab. The frame and radial conductors are maintained in a fan-like orientation with respect to each other by two groups of concentric conductor strands, one located adjacent to the tab, the other spaced a substantial distance therefrom. The radiating conductors provide a more direct path to the connector tab for electron flow. This results in the current collector having reduced internal resistance in comparison to conventional current collector designs.